

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : C12Q 1/68	A1	(11) International Publication Number: WO 00/39331 (43) International Publication Date: 6 July 2000 (06.07.00)
(21) International Application Number: PCT/GB99/04305 (22) International Filing Date: 17 December 1999 (17.12.99) (30) Priority Data: 9828256.9 23 December 1998 (23.12.98) GB (71) Applicant (for all designated States except US): ASTRAZENECA UK LIMITED [GB/GB]; 15 Stanhope Gate, London W1Y 6LN (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): ANAND, Rakesh [GB/GB]; Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB). MORTEN, John, Edward, Norris [GB/GB]; Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB). SMITH, John, Craig [GB/GB]; Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB). (74) Agent: GILES, Allen, Frank; AstraZeneca UK Limited, Global Intellectual Property, Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: SINGLE NUCLEOTIDE POLYMORPHISM IN A PYRUVATE DEHYDROGENASE KINASE ISOENZYME 2 (PDK2) IN HUMANS		
(57) Abstract <p>This invention relates to polymorphisms in the human pyruvate dehydrogenase kinase isoenzyme 2(PDK2) gene, in particular to the discovery of a single nucleotide polymorphism in the coding region of the human PDK2 gene and two single nucleotide polymorphisms in the 3' untranslated region of the human PDK2 gene. The invention also relates to methods and materials for analysing allelic variation in the PDK2 gene, and to the use of PDK2 polymorphism in the diagnosis and treatment of diseases in which inhibition of PDK2 could be of therapeutic benefit, such as diabetes, obesity and sepsis.</p>		